

METHOD FOR CLARIFYING AND COMPRESSING ATM
CONNECTION TYPE INFORMATION

ABSTRACT OF THE DISCLOSURE

In the ATM switching system using an asynchronous transfer mode (ATM) signaling protocol, a method for analyzing a SETUP message which is requesting a setup for a ATM connection and a MODIFY REQUEST message which is requesting a modification of a traffic property of the ATM connection to clarify the ATM connection type information to be setup and a method for compress the clarified ATM connection type information are provided according to the present invention. Disadvantages of a conventional ATM connection are that connection type information of an ATM connection are different one another, and also a large quantity of memory is required to construct connection type information since complicated and various ATM connection type information are independently constructed for each of signaling protocols. Therefore, an construction method which can clarify the ATM connection type information which is applicable to all types of the ATM signaling protocols and can efficiently use the memory is needed. The method according to the present invention for clarifying ATM connection type information are to be unified so that the method is applicable to all types of the ATM signaling protocols. And ATM connection type information is to be compressed using a POWERSET mode into one information identifier. Therefore information management is unified in whole ATM network so that management efficiency of operational manager can be enhanced and the signaling protocols and connection information that are used for a setup of ATM connection can be easily identified.